

3: VARIETAL DEVELOPMENT

Since inception of the wheat programme (1965), both the Central Varietal Release Committee (CVRC) and State Varietal Release Committee (SVRC) has released about 375 wheat varieties so far. Out of these, 316 were bread wheat, 49 durum wheat and 5 dicoccum wheat besides 5 Triticales were developed. The All India Coordinated Wheat and Barley Improvement Project conducts a number of well-organized multi-location yield trials for different production conditions. The testing has contributed in release of wheat varieties suited to different environments and growing situations.

Prominent Wheat cultivars of pre-2000 era: The prominent ones of pre 2000 era were Kalyansona (1967), Sonalika (1965), Lerma Rojo(1965), Chhoti Lerma(1967), Arjun (1975), C 306(1965), WL 711(1977), UP 262(1977), LOK 1 (1981), HUW 206(1983), HUW 234 (1985), HD 2189(1979), HD 2329 (1982), HD 2285(1983), Raj 3077(1989), WH 147(1978), Sujata (1983), VL 421(1979), VL 616 (1986), HS 240 (1989), HS 295(1992), UP 2338(1994), PBW 343(1995), Raj 3765(1995) in bread wheat and Raj 1555(1982), PBW 34(1985), HI 8381(1994), HI 8498(1999), PDW 233(1995) and PDW 291(2004) in durum wheat.

Prominent Wheat cultivars of post-2000 era: The post 2000 released varieties were PBW 502(2003), GW 322(2002), GW 496(2002), DBW 39(2010), HD 2987 (2011), HD 2985(2011), KRL 213(2012),PBW 644(2012), WH 1105 (2013) and HD 3059(2013) were among the bread wheat varieties. Varieties like HI 8663 (2007), MPO 1215 (2009), PDW 314(2010) and UAS 415 were prominent among the released durum wheat varieties. The post 2000 varieties have also been developed and released for high altitude area are viz. VL 804(2002),VL 829(2002) and VL 892(2007).

Prominent Wheat Cultivars for salinity/alkalinity affected areas: Varieties like KRL 210(2009) and KRL 213(2009) were varieties developed for salt affected soils during the period after 2000. Varieties for suppressive (salt affected) soils, harsh conditions (central India), hot and humid environments prevailing in north eastern region have also been developed. Varieties have also been released for moisture stress conditions, both in bread and durum wheat.

Table-3.1: Wheat and Triticale varieties released in India during 1965-2010

Species	No. of varieties Released by		Total
	CVRC	SVRC	
Bread wheat (<i>Triticum aestivum</i>)	206	110	316
Durum wheat (<i>Triticum durum</i>)	25	24	49
Dicoccum wheat (<i>Triticum dicoccum</i>)	05	-	05
Triticale	04	01	05
Total	240	135	375

Source: DWR, Karnal

3.1: Wheat varieties released and notified by Central & State Variety Release Committee:

The detailed list of wheat varieties released and notified by Central & State Variety Release Committee during 1995 to 2013 for growing under various production conditions are presented at Annexure V.